

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L3	1	"10/396118"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/22 16:05
L4	1	10/665080	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/22 16:05
L5	11	(counter with reverse with bit) with alternate\$2	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/22 16:05
L6	2461	455/296	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/22 16:05
L7	1	(counter with reverse with cycle) with alternate\$2 and EMI	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/22 16:05
L8	295	375/287	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/22 16:07
L9	12	(counter with reverse with cycle) with alternate\$2	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/22 16:05

## EAST Search History

L10	174	((control) with counter with (opposite or negative or invert\$3)) with alternate\$2	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/22 16:05
L11	2	"4,528,662".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/22 16:05
L12	2	"6,242,965".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/22 16:05
L13	2	"6,317,476".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/22 16:05
L14	4	"4,408,283".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/22 16:05
L15	4	"4408283".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/22 16:05
L16	2	"5612956".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/22 16:05

## EAST Search History

L17	2	((control) with counter with (opposite or negative or invert\$3) with alternate\$2 with (n adj bit))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/22 16:05
L18	1	((control) with counter with (opposite or negative or invert\$3) with alternate\$2 with (n adj bit)) and ((voltage) with oscillator) and emi	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/22 16:05
L19	1	((control) with counter with (opposite or negative or invert\$3) with alternate\$2) and ((voltage) with oscillator) and emi	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/22 16:05
L20	32	((control) with counter with (opposite or negative or invert\$3) with alternate\$2) and ((voltage) with oscillator)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/22 16:05
L21	987	((control) with counter with (opposite or negative or invert\$3)) and ((voltage) with oscillator)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/22 16:05
L22	37	((electromagnetic adj interference) or EMI) with (cancellation or reduction)) and ((control) with counter) and ((voltage) with oscillator)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/22 16:05
L23	4	((electromagnetic adj interference) or EMI) with (cancellation or reduction)) and ((control adj signal) with counter) and ((voltage adj control) with oscillator)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/22 16:05

## EAST Search History

L24	2	((electromagnetic adj interference adj cancellation)) and ((control adj signal with counter) and ((voltage adj control) with oscillator)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/22 16:05
L25	11	("5731728" "5736893" "6107851" "6229366" "6249876").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/22 16:05
L26	4	emi with (reduction or cancellation or reduce or cancel).ti. and counter and oscillator	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/22 16:05
L27	4014	375/346	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/22 16:05
L28	1	L21 and L27	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/22 16:05
L29	1268	713/501	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/22 16:05
L30	44	Balakrishnan.in. and EMI	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/22 16:05

## EAST Search History

L31	133	emi with (reduction or cancellation or reduce or cancel).ti.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/22 16:05
L32	2476	emi.ti.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/22 16:05
L33	1	L21 and L6	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/22 16:05
L34	1059	Balakrishnan.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/22 16:05
L35	10	emi with (reduc\$4 or cancellat\$3).ti. and counter and oscillator	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/22 16:05
L36	0	L21 and L8	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/22 16:08
L37	1	L21 and L29	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/22 16:05

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L38	2046	375/285	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/22 16:07
L39	0	L21 and L38	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/22 16:08
L40	1	counter and ("n-bit" adj signal) with opposite) and (voltage near control) and oscillator	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/22 16:10
L41	1	counter and ("n-bit" adj signal) same opposite) and (voltage near control) and oscillator	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/22 16:10
L42	14	counter and ("n-bit" adj signal)) and (voltage near control) and oscillator	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/22 16:12
L43	1	counter and ("n-bit" adj signal)) and (voltage near control) and oscillator and EMI	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/22 16:12
L44	1	(counter and ("n-bit" adj signal)) and (voltage near control) and oscillator). clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/22 16:13

## EAST Search History

L45	2	"6114915".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/22 16:14
L46	2	"5349309".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/22 16:14

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**EMI cancellation method and system - Patent 20040096020**

The **oscillator** receives the voltage of the **voltage control** unit as a high ... cycle of the **counter**, the **n-bit signal** being counted by the n-bit **counter**. ...

[www.freepatentsonline.com/20040096020.html](http://www.freepatentsonline.com/20040096020.html) - 36k - [Cached](#) - [Similar pages](#)

**Programmable wide-range frequency synthesizer - Patent 6114915**

Because VCO 106 is implemented by a programmable ring **oscillator**, the resynchronization between K **counter** 112 and M **counter** 110 becomes a challenging task.

...

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**Second order phase locked loop - US Patent 5349309**

The **voltage control** oscillating circuit which lower the gain of phase locked ... The **counter** 4 emits this count value to the adder 6 as the **n-bit signal**. ...

[www.patentstorm.us/patents/5349309-description.html](http://www.patentstorm.us/patents/5349309-description.html) - 34k - [Cached](#) - [Similar pages](#)

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### **EMI cancellation method and system - Patent 20040096020**

In an **EMI** canceller, a control signal generation unit includes a **counter**, ... The **oscillator** receives the voltage of the **voltage control** unit as a high ...

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### **Light sensing dimming control system for gas discharge lamps ...**

a conversion circuit connected to the **voltage control oscillator** to receive ... The six **bit signal** created by the counting circuit 37 represents the desired ...

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### **[PDF] A 21-level (line-to-line) BTB system based on series connection of ...**

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**6-bit signal**. The signal  $\theta$ . 1lead. can be considered as the output. of a  $24576 (= 48 \times 2^9)$  step **counter**. As a result, taking the. upper six-bits of  $\theta$  ...

[ieeexplore.ieee.org/iel5/9338/29651/01348659.pdf](http://ieeexplore.ieee.org/iel5/9338/29651/01348659.pdf) - [Similar pages](#)

### **[PDF] Derwent**

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depending on the combination of the output **bit signal**. As a result, the frequency. of the output clock signal (OUT) varies, thus decreasing **EMI** noise. ...

[scientific.thomson.com/media/dw/productpdfs/itppdfs/itelpul.pdf](http://scientific.thomson.com/media/dw/productpdfs/itppdfs/itelpul.pdf) - [Similar pages](#)

### **Matrixsynth: Sequencer**

Dual x 20-Bit audio inputs for internal **oscillator**/filter/fx ... Multiple gestures are stored in different Banks and can be selected by **voltage control**. ...

[matrixsynth.blogspot.com/.../label/Sequencer?updated-max=2007-01-18T21%3A04%3A00-08%3A00&max-results=20](http://matrixsynth.blogspot.com/.../label/Sequencer?updated-max=2007-01-18T21%3A04%3A00-08%3A00&max-results=20) - 250k - [Supplemental Result](#) - [Cached](#) - [Similar pages](#)

### **[PDF] Xilinx UG196 Virtex-5 RocketIO GTP Transceiver user guide**

File Format: PDF/Adobe Acrobat

Using an external **oscillator** to drive GTP dedicated clock routing ... RXCHARISCOMMA is a two-**bit signal**. Bit 0 corresponds to the. lower byte of RXDATA, ...

[www.xilinx.com/bvdocs/userguides/ug196.pdf](http://www.xilinx.com/bvdocs/userguides/ug196.pdf) - [Similar pages](#)

### **[PDF] Xilinx UG196 Virtex-5 RocketIO GTP Transceiver user guide**

File Format: PDF/Adobe Acrobat

RXCHARISCOMMA is a two-**bit signal**. Bit 0 corresponds to the ... Provide AC coupling between the **oscillator** output pins and the Virtex-5 dedicated ...

[direct.xilinx.com/bvdocs/userguides/ug196.pdf](http://direct.xilinx.com/bvdocs/userguides/ug196.pdf) - [Similar pages](#)

### **LASER RECORDING SYSTEM WITH BOTH SURFACE DEFECT AND DATA ERROR ...**

Thus, the **voltage control oscillator** and its feedback loop provide a frequency ... The segment verify **bit signal** associated with the segment bit is examined ...

[www.wikipatents.com/3657707.html](http://www.wikipatents.com/3657707.html) - 238k - [Cached](#) - [Similar pages](#)

### **Automatic fine tuning circuit - Patent # 4121254 - PatentGenius**

If the frequency f.sub.1 of the local **oscillator** is higher than it should be by an ... The highest significant **bit signal** from the **counter** 31 is A.sub.4, ...  
[www.patentgenius.com/patent/4121254.html](http://www.patentgenius.com/patent/4121254.html) - 80k - Supplemental Result -  
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counter "bit signal" "voltage control"

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counter AND "bit signal" AND "voltage control" AND os

Search

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Searched for:: :All of the words:counter AND "bit signal" AND "voltage control" AND oscillator AND EMI

Found:: :7 total | 0 journal results | 7 preferred web results | 0 other web results

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- ☐ 1. [Light sensing dimming control system for gas discharge lamps](#)  
**Adamson, Hugh Patrick / Langer, George O., UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT**, Feb 2001  
...circuit 18 comprises a voltage controlled **oscillator** (VCO) 23 (shown in FIG. 3) as part of...magnitude of the voltage signal so that the **voltage control** signal conducted to the VCO 23 is within...is in a particular state, a digital **counter** 37 actively counts clock pulses and...  
**Full text available at patent office. For more in-depth searching go to** LexisNexis®  
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- ☐ 2. [HIGH DENSITY PERMANENT DATA STORAGE AND RETRIEVAL SYSTEM](#)  
**UNITED KINGDOM PATENT APPLICATION**, Mar 1973  
...means may comprise a crystal controlled **oscillator**. In one embodiment of the invention...and wherein said voltage controlled **oscillator** is synchronized to a reference...reference clock and the voltage controlled **oscillator** is syn-chronized to the reference clock...  
**Full text available at patent office. For more in-depth searching go to** LexisNexis®  
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- ☐ 3. [LASER RECORDING UNIT](#)  
**UNITED KINGDOM PATENT APPLICATION**, Mar 1973  
PATENT SPECIFICATION ( 11) 1309 102 DRAWINGS ATTACHED ( 21) Application No 12901/70 ( 22) Filed 17 March 1970 ( 311) Convention Application No 807 553 ( 32) Filed 17 March 1969 in ( 33) United States of America (US) ( 44) Complete Specification published 7 March 1973.( 51) Internudonal  
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- ☐ 4. [LASER RECORDING SYSTEM](#)  
**UNITED KINGDOM PATENT APPLICATION**, Mar 1973  
PATENT SPECIFICATION DRAWINGS ATTACHED ( 21) Application No 12900/70 ( 22) Filed 17 March 1970 ( 3,1) Convention Application No 807 548 i( 32) Filed 17 March

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1969 in ( 33) United States of America (US) ( 44) Complete Spedification published 7 March 1973 ( 51) Internatiomal Classificiaion Gli B 7/00

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☐ 5. HIGH DENSITY PERMANENT DATA STORAGE AND RETRIEVAL SYSTEM

**DELL HAROLD R / LARA EDWARD D / HASHIGUCHI MASAO, UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT, Jan 1972**


...of a computing reading of data, and the synchronous clock, which may be a system or temporary storage. crystal-controlled **oscillator**, provides timing control signals It is an object of the present invention to provide a new and 10 for the sequencing logic...

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☐ 6. LASER RECORDING SYSTEM USING DRUM MOUNTED RECORD STRIPS

**McFARLAND KEITH E / BECKER CARL H / DELL HAROLD R / WONG HERMAN / FRENCH BALLARD D / HASHIGUCHI MASAO, UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT, Apr 1972**


A laser recording system for scanning a modulated laser beam in spaced parallel lines across a flat elongated strip of energy absorbing material and for ablating minute regions from the material in a linear pattern representing digital bits according to ...

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☐ 7. LASER RECORDING SYSTEM WITH BOTH SURFACE DEFECT AND DATA ERROR CHECKING

**UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT, Apr 1972**

This invention relates to a new and improved laser record- ablates in the form of data tracks, an energy-absorbing inforing system for permanently recording digital data at high den- 5 mation storage medium during recording. Digital information sity on an energy-absorbing information storage medium

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counter AND "n-bit signal" AND "voltage control" AND

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Or  
AI

☐ 1. [Phase locked loop](#)

**Fujii, Takashi, EUROPEAN PATENT APPLICATION, Oct 1993**

...up-down **counter**. This **counter** 4, if the UP is entered...the internal up-down **counter** operates by +1, if the...changed any more. The **counter** 4 emits this count value to the adder 6 as the **n-bit signal**. On the other hand...circuit comprises a quartz **oscillator** 34, an amplifier 35...

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☐ 2. [Programmable wide-range frequency synthesizer](#)

**Huang, Joseph / Wang, Xiaobao / Sung, Chiakang / Wang, Bonnie I. / Nguyen, Khai / Yeung, Wayne / Kim, In Whan, UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT, Sep 2000**

...stages of the ring **oscillator**. Multiplexer 302-32...third-second stage of the ring **oscillator** or the output of the...stages of the ring **oscillator**. A critical aspect...speed at which these **counters** operate is a major...MUX 406 receives an **N-bit signal** from a cycle selection...

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☐ 3. [METER INTERROGATION SYSTEMS](#)

**UNITED KINGDOM PATENT APPLICATION, Oct 1975**

PATENT SPECIFICATION ( 21) Application No 23069/73 ( 22) Filed 15 May 1973 ( 44) Complete Specification published 8 October 1975 ( 51) INT CL 2 H 04 Q 9/00 f I GO 8 C 19/14 ( 52) Index at acceptance G 4 H 12 G 13 D 14 X 23 D 7 A 3 7 B 13 F 23 G 7 L 14 A 3 X NC 2 14 B 14 D 6 B 6 F ( 54) METER

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☐ 4. [METER INTERROGATION SYSTEM HAVING STROBE LOGIC CONTROL](#)

**LUSK J / ROOD W / FELDMAN H, UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT, May 1973**


...problems enthat make up a central control unit and a transponder **countered** in transmitting and receiving data from cenunit. 1 5 tral control...reverts of comparison unit shifts the contents of register **counter** 73 to its A state. Interval decoder 74 may be 112 to modem...

**Full text available at patent office. For more in-depth searching go to**  LexisNexis  
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☐ 5. Second order phase locked loop

**Fujii, Takashi**, *UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT*, Sep 1994

...changed any more. The **counter** 4 emits this count...adder 6 as the **n-bit signal**. On the other hand...emits 0, as the **n-bit signal**. The adder 6 adds the output of the **counter** 4 and the output...terminals of the quartz **oscillator** 34; load capacitors...

**Full text available at patent office. For more in-depth searching go to**  LexisNexis  
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☐ 6. METER INTERROGATION SYSTEMS

*UNITED KINGDOM PATENT APPLICATION*, Oct 1975

( 21) Application No 1159/75 ( 62) ( 44) ( 51) ( 22) Filed 15 May 1973 Divided out of: No 1409489 Complete Specification published 8 October 1975 INT CL 2 H 04 Q 9/00 11 GO 8 C 19/14 ( 52) Index at acceptance G 4 H 12 G 13 D 13 F 14 A 14 B 14 D 14 X 23 D 23 G 3 X 6 B 6 F 7 A 3 7 B 7 L NC 2 ( 72)

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IEEE CNF IEEE Conference Proceeding

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Application#	Patent#	Status	Date Filed	Title	Inventor Name
<a href="#">09643534</a>	<a href="#">6381151</a>	150	08/22/2000	HIGH EFFICIENCY SWITCHING CONTROLLER	JANG, KYUNG-OUN
<a href="#">09761902</a>	<a href="#">6507080</a>	150	01/17/2001	MOS TRANSISTOR AND FABRICATION METHOD THEREOF	JANG, KYUNG-OUN
<a href="#">10300293</a>	<a href="#">6853040</a>	150	11/20/2002	MOS TRANSISTOR AND FABRICATION METHOD THEREOF	JANG, KYUNG-OUN
<a href="#">10665080</a>	Not Issued	41	09/16/2003	EMI cancellation method and system	JANG, KYUNG-OUN
<a href="#">10698056</a>	<a href="#">6972971</a>	150	10/29/2003	PULSE WIDTH MODULATION SIGNAL GENERATOR AND SWITCHING MODE POWER SUPPLY INCLUDING THE SAME	JANG, KYUNG-OUN
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<a href="#">10665080</a>	Not Issued	41	09/16/2003	EMI cancellation method and system	KIM, EUNG-SUEN
<a href="#">10698056</a>	<a href="#">6972971</a>	150	10/29/2003	PULSE WIDTH MODULATION SIGNAL GENERATOR AND SWITCHING MODE POWER SUPPLY INCLUDING THE SAME	KIM, EUNG-SUEN
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